REPORT NO. 8

Cotton Fiber and Processing Test Results

CROP of 1975

Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 December 5, 1975

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

1/ Summary of Cotton Fiber and Processing Test Results, Crop of 1974, USDA, AMS, Cotton Division, May 1975.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1975

Discussion of Test Results

Short staple cottons tested from the Southwest through November 28 this season have better fiber and spinning properties than a year earlier, according to the Cotton Division, Agricultural Marketing Service, USDA. The average fiber length is considerably longer than a year ago and fibers are coarser and stronger. Picker and card waste is lower. Yarns spun from these samples are stronger and have higher appearance grades. Yarn imperfections are fewer than a year ago. Average spinning potential yarn number is higher.

Average results for all medium staple samples tested to date show fiber properties to be about the same as a year ago. Picker and card waste is lower. Yarns spun from these samples show about the same strength and appearance as last season. There are more yarn imperfections and the spinning potential yarn number is lower than a year ago.

Medium staple samples tested from the Southeast show fibers to be finer and stronger at zero gage strength tests. Shirley Analyzer nonlint content is higher. Yarns spun from these samples show yarn skein strength to be weaker with lower appearance grades. Yarn imperfections are higher than last season at this time. Average spinning potential yarn number is lower.

Medium staple samples tested from the south central states show coarser fibers than a year ago. Picker and card waste is lower. Yarns spun from these samples show yarn imperfections are higher than a year ago. The average spinning potential yarn number is lower.

Southwestern medium staple samples tested have finer fibers and weaker fiber strength at zero gage strength tests. Both yarn strength and appearance are slightly higher. Picker and card waste is lower. Yarns spun from these samples show higher imperfection count than a year ago.

Medium staple samples tested from the western area show fibers to be longer, finer and stronger than a year ago. Picker and card waste is lower. Yarns spun from these samples are stronger. Average spinning potential yarn number is higher.

The average results for all long staple samples tested show fibers to be shorter than a year ago. The average mike is the same as last season but the average zero gage fiber strength is higher. Picker and card waste is higher as is comber waste. Yarn appearance grades are higher. Both carded and combed yarn imperfection counts are higher than a year ago. Average spinning potential yarn number is lower.

Long staple samples tested from the southeastern states show fibers to be shorter, coarser and stronger than a year ago. Both picker and card and comber waste are higher than last year. Both carded and combed yarns spun from these samples are weaker. Yarn appearance grades are higher than a year ago. Average spinning potential yarn number is lower.

South Central states long staple samples tested show fibers to be shorter, finer and stronger at zero gage strength tests. Shirley Analyzer nonlint content is higher. Picker and card waste is also higher. Yarns spun from these samples are slightly stronger than a year ago. Carded yarn appearance grades are higher. Both carded and combed imperfections are higher.

Long staple samples from the western area are stronger than a year ago. Shirley Analyzer nonlint content is lower but both picker and card and comber waste are a little higher. Yarns are considerably stronger and have higher appearance grades than a year ago. Both carded and combed yarn imperfections are higher. The average spinning potential yarn number is lower than a year ago.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 28, 1975 1/

Staple group Area, and Crop year	Lots tested	Fiber test results						Processing test results				
		Fibrograph		Mike fineness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.
		2.5% span	50/2.5 unif.		Zero gage	1/8" gage			Skein str.	Appearance	Imperfections	
	No.	Inches	Pct.	Rdg.	Mpsi	G/tex	Pct.	Pct.	Lbs.	Index	No.	Yarn No.
									22s Carded Yarn			
Short Staple:												
Southwest												
1974	12	.94	44	4.1	87	20	3.5	7.0	85	98	17	38
1975	16	.99	45	4.3	89	22	3.1	5.9	101	117	14	44
Medium Staple:												
Southeast												
1974	36	1.09	45	4.4	82	22	3.2	6.2	102	105	17	62
1975	25	1.08	45	4.2	84	22	4.0	6.0	98	96	27	53
South Central												
1974	87	1.11	44	4.2	84	23	3.0	6.2	105	103	16	64
1975	88	1.10	45	4.4	85	23	3.1	5.4	104	102	20	58
Southwest												
1974	30	1.07	44	4.3	84	22	2.9	6.0	99	92	19	59
1975	23	1.07	44	4.1	82	22	3.2	5.1	102	95	26	57
West												
1974	38	1.11	46	4.5	92	25	2.4	5.9	116	102	15	67
1975	35	1.12	46	4.2	93	27	2.2	5.0	126	93	23	70
U.S. Average												
1974	191	1.10	45	4.3	85	23	2.9	6.1	106	102	17	63
1975	171	1.10	45	4.3	86	23	3.1	5.4	107	98	23	59
Significant difference 2/		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 28, 1975 1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results						Processing Test Results								
		Length		Mike	Strength		SA Non-lint	P&C Waste	Comber Waste	Yarn Quality						SPY
		Span	Unif		Zero gage	1/8" gage				Strength		Appearance		Imprfctns		
										carded	combed	carded	combed	card	comb	
	No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.	No.
										22s Carded & Combed Yarn						
Long Staple:																
Southeast																
1974	12	1.15	43	4.0	81	23	3.9	8.6	17.2	105	123	105	112	19	8	68
1975	9	1.11	43	4.2	85	22	3.6	9.5	18.7	92	116	110	114	21	12	54
South Central																
1974	4	1.15	44	4.3	86	23	3.3	8.5	18.2	104	124	102	118	17	7	64
1975	5	1.12	43	4.0	88	23	3.9	9.1	17.9	107	127	108	118	20	9	63
West																
1974	7	1.17	45	3.7	92	27	2.4	7.2	14.4	129	148	93	104	20	10	91
1975	5	1.17	46	3.8	96	26	2.0	7.3	15.4	141	160	102	110	25	12	85
U.S. Average																
1974	23	1.16	44	4.0	85	24	3.3	8.1	16.6	112	131	101	111	19	9	74
1975	19	1.12	44	4.0	88	24	3.4	8.8	17.6	109	131	107	114	22	11	65
Significant Difference 2/		0.02	2	0.2	2	1	0.5	0.5	0.5	4(22s)	4(22s) 2(50s)	5	5	2	2	3

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Carded Yarns									
			Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n	S.A. Non-lint	Color Raw Stock		P & C	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif		Zero Gage	1/8" Gage	1/8"		Gra	Yel	Waste	8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHWEST AREA																						
NORTHWEST TEXAS																						
HART							STRIPPER 31						95 PERCENT									
1	SLM LT SP	42	29	0.89	45	3.4	88	21	5.7	4.9	3	4	7.6 1/	282	89	6.7	5.6	130	110	49	27	33
TULIA							STRIPPER 31						95 PERCENT									
1	SLM LT SP	42	28	0.84	46	3.6	88	20	5.7	3.7	2	3	6.8 1/	278	81	6.9	5.5	120	110	20	12	30

1/ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns								
			Digital Fibrograph			Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten-tial
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHEAST AREA																					
ALABAMA																					
HUNTSVILLE							DELTAPINE 16						100 PERCENT								
2 SLM	41	34	1.08	43	4.2	80	22	7.6	2.9	2	3	6.0	102	30	6.8	4.6	100	80	22	18	56
MERIDIANVILLE							STONEVILLE 603						100 PERCENT								
2 SLM	41	33	1.01	42	3.5	81	23	7.7	4.1	2	3	7.5	89	26	5.8	4.4	90	70	31	26	41
PRATTVILLE							COKER 417						100 PERCENT								
2 SLM	41	35	1.12	44	4.0	89	24	5.5	2.9	3	3	5.4	112	38	6.3	4.4	90	70	28	24	65
SCOTTSBORO							DIXIE KING III						75 PERCENT								
2 SLM	41	34	1.07	44	4.0	84	22	6.8	2.5	3	3	5.1	98	33	5.8	4.4	100	80	18	14	59
GEORGIA																					
NORMAN PARK							COKER 201						98 PERCENT								
1 SLM LT SP	42	34	1.09	45	4.6	79	22	6.2	2.9	3	3	6.1	90	29	5.4	4.0	100	80	20	18	50
NORTH CAROLINA																					
LAURINBURG							MCNAIR 612						100 PERCENT								
2 LM	51	35	1.11	46	4.4	85	22	5.6	5.0	4	3	7.9	86	27	4.7	3.2	90	60	36	28	47
3 LM	51	35	1.09	44	4.4	86	23	5.6	5.1	3	3	7.3	93	28	5.3	3.5	80	60	49	32	47
SOUTH CAROLINA																					
MAYESVILLE							COKER 201						90 PERCENT								
3 MID	31	34	1.03	45	4.6	87	22	5.6	1.5	1	2	5.6	99	29	5.5	3.9	120	80	14	13	50
SOUTH CENTRAL AREA																					
ARKANSAS																					
DUMAS							STONEVILLE 213						100 PERCENT								
3 SLM	41	34	1.08	45	4.4	82	22	6.1	2.8	2	3	5.3	106	32	6.4	4.7	120	90	20	14	58
HUGHES							STONEVILLE 213						100 PERCENT								
3 SLM	41	35	1.06	45	4.2	90	23	5.4	3.0	2	3	5.8	99	32	5.0	3.9	100	80	23	18	54
MARION							DELTAPINE 16						100 PERCENT								
3 SLM	41	35	1.09	45	4.2	84	24	7.7	2.4	1	2	5.9	112	36	6.4	5.0	110	90	15	10	59
TURRELL							STONEVILLE 213						100 PERCENT								
2 LM	51	35	1.11	46	4.4	85	23	7.2	5.1	2	3	7.8	104	35	5.6	4.3	100	70	35	22	59
3 SLM	41	34	1.05	43	3.7	86	24	7.2	3.2	1	3	7.2	98	31	6.0	4.4	90	60	26	22	49
WYNNE							DELTAPINE 16						100 PERCENT								
2 SLM	41	35	1.10	45	4.5	86	23	7.7	2.7	2	3	6.2	107	36	6.6	4.8	120	90	24	19	57

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns								
			Digital Fibrograph			Fiber Strength		Elongat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTH CENTRAL AREA--(Continued)																					
LOUISIANA																					
LAKE PROVIDENCE							DELTAPINE 16							100 PERCENT							
1 SLM	41	35	1.10	45	4.5	84	23	6.9	2.2	1	2	5.2	112	40	6.4	4.9	100	80	17	12	67
LAKE PROVIDENCE							STONEVILLE 213							100 PERCENT							
2 SLM	41	35	1.11	45	4.5	86	23	6.6	2.6	2	2	6.2	103	34	5.4	4.0	100	70	27	18	56
SHREVEPORT							DELTAPINE 16							100 PERCENT							
2 SLM	41	35	1.09	45	4.2	83	22	6.9	2.4	2	3	5.8	106	34	6.0	5.1	100	70	27	20	62
MISSISSIPPI																					
ARCOLA							DELTAPINE 16							100 PERCENT							
2 MID	31	36	1.14	46	4.4	83	24	7.2	1.8	1	2	3.5	120	41	7.4	5.0	110	100	10	8	68
EDWARDS							STONEVILLE 213							100 PERCENT							
2 LM	51	35	1.08	45	4.3	83	23	6.6	4.1	2	3	5.9	105	37	6.4	4.7	100	80	24	19	60
GLENDORA							STONEVILLE 213							100 PERCENT							
1 LM	51	35	1.12	47	4.8	86	24	6.3	3.8	3	3	6.1	103	36	5.4	4.4	100	80	26	20	59
GREENWOOD							STONEVILLE 731N							100 PERCENT							
2 SLM	41	35	1.11	46	4.7	93	23	5.4	3.4	1	2	6.9 1/	105	34	5.4	3.3	110	80	25	19	51
INDIANOLA							DIXIE KING III							100 PERCENT							
2 LM	51	34	1.06	46	4.3	94	24	5.7	3.8	3	3	6.9 1/	113	40	5.5	4.3	100	70	26	15	65
LYON							STONEVILLE 213							100 PERCENT							
2 LM	51	35	1.11	45	4.4	87	23	5.8	3.7	2	3	6.5	101	34	5.8	4.5	80	80	30	20	55
MACON							DELTAPINE 16							85 PERCENT							
2 SLM	41	35	1.07	46	4.4	82	22	7.3	2.7	2	2	4.6	109	35	6.6	4.5	120	90	11	8	60
NITTA YUMA							DELTAPINE 25							100 PERCENT							
2 SLM	41	35	1.09	46	4.4	87	23	6.5	4.0	2	3	6.3	102	34	5.3	4.3	110	80	25	18	54
PANTHER BURN							DELTAPINE 16							100 PERCENT							
3 LM	51	35	1.13	43	3.9	81	24	7.8	2.9	3	2	4.6	109	38	7.1	5.4	110	70	24	19	68
ROBINSONVILLE							DELTAPINE 45A							100 PERCENT							
2 SLM	41	35	1.07	46	4.4	84	24	7.0	2.9	1	2	5.1	116	40	6.9	4.9	100	80	17	14	62
SCOTT							DELTAPINE 16							100 PERCENT							
3 SLM	41	35	1.13	43	4.0	82	24	7.1	2.2	2	2	4.7	110	38	6.5	4.8	100	70	19	16	69

1/ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns								
			Digital Fibrograph			Fiber Strength		Elongat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTH CENTRAL AREA--(Continued)																					
MISSISSIPPI--(Continued)																					
	SCOTT						DELTAPINE 55						100 PERCENT								
1	LM PLUS	50	36	1.15	45	4.0	86	24	6.5	2.8	1	2	6.2	120	57	6.8	5.2	90	80	27	21	63
	TRIBBETT						STONEVILLE 256						100 PERCENT								
2	SLM	41	35	1.11	46	4.8	96	22	5.0	2.6	1	3	6.4	103	30	5.4	3.7	120	90	11	9	52
MISSOURI																					
	BELL CITY						STONEVILLE 213						100 PERCENT								
3	SLM	41	35	1.08	45	4.0	83	22	6.5	2.4	2	3	5.7	104	32	5.8	4.3	100	80	16	16	57
	COOTER						DELTAPINE 16						75 PERCENT								
3	LM	51	35	1.08	45	4.0	84	21	6.7	3.7	3	3	5.8	96	28	5.8	4.1	100	80	20	18	50
	ESSEX						STONEVILLE 213						99 PERCENT								
3	LM LT SP	52	35	1.10	46	4.2	82	23	7.5	4.5	4	4	7.4	102	34	5.9	4.3	100	80	23	18	59
	SENATH						AUBURN M						100 PERCENT								
3	LM	51	35	1.14	45	4.1	87	24	7.4	4.4	2	2	6.3	111	39	6.2	5.0	100	80	19	14	66
TENNESSEE																					
	BRADEN						DELTAPINE 16						95 PERCENT								
2	SLM	41	35	1.09	45	4.3	83	23	7.7	2.4	1	3	5.6	105	33	5.5	4.3	100	90	14	8	53
	FLINTVILLE						HANCOCK						75 PERCENT								
3	LM	51	34	1.02	45	3.9	84	22	6.2	3.3	3	3	6.7	95	27	6.0	4.0	100	90	22	18	51
	MILLINGTON						REX SMOOTHLEAF						95 PERCENT								
2	LM	51	34	1.06	45	4.0	84	22	6.4	5.5	2	3	7.0	101	34	5.4	4.3	110	80	26	19	60
SOUTHWEST AREA																					
NORTHWEST TEXAS																					
	LUBBOCK						COKER 312						100 PERCENT*								
1	LM	51 1/	34	1.07	41	3.0	84	22	6.4	6.2	1	3	7.0	91	31	5.6	4.5	60	60	82	71	43
	LUBBOCK						COKER 5110						100 PERCENT*								
1	LM	51 1/	34	1.03	39	2.8	83	22	6.4	5.9	2	3	7.9 2/	100	28	6.4	3.9	60	60	54	42	45

* 100 percent selected for tests, less than 100 percent in the area
1/ Reduced from 41 because of bark
2/ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns								
			Digital Fibrograph			Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
WEST	AREA																				
ARIZONA																					
BUCKEYE							DELTAPINE 61						100 PERCENT								
2 MID	31	35	1.11	46	5.3	87	25	7.0	2.4	0	3	4.6	107	37	5.9	4.6	120	90	15	11	53
CASA GRANDE							DELTAPINE 61						100 PERCENT								
1 MID	31	36	1.15	46	4.5	84	24	7.4	2.6	1	3	5.8	117	42	6.2	5.3	100	80	19	13	67
ELOY							DELTAPINE 66						91 PERCENT								
1 MID	31	35	1.07	44	4.3	92	24	6.2	2.9	1	3	6.1	106	35	5.5	4.0	90	70	15	16	52
2 MID	31	35	1.08	43	3.9	90	23	5.9	2.2	1	3	5.1	116	38	6.5	5.1	90	70	15	14	57
GILA BEND							STONEVILLE 213						100 PERCENT								
1 MID	31	35	1.09	45	5.2	89	24	5.8	1.9	1	4	6.1	98	33	4.8	3.9	100	80	20	19	46
CALIFORNIA																					
BUTTONWILLOW							ACALA SJ-2						100 PERCENT								
2 MID	31	35	1.10	44	3.8	94	27	5.7	2.7	1	3	4.9 1/	124	43	5.6	4.3	90	60	27	18	63
CANTUA CREEK							ACALA SJ-2						100 PERCENT								
1 MID	31	36	1.12	44	3.5	92	27	5.9	2.0	0	3	5.4	128	46	6.5	5.3	90	70	35	26	71
CORCORAN							ACALA SJ-2						90 PERCENT								
2 SLM	41	36	1.11	44	4.0	89	25	6.0	2.4	0	2	5.0	123	42	6.4	4.7	90	70	17	12	66
DOS PALOS							ACALA SJ-2						97 PERCENT								
1 MID	31	36	1.15	46	4.3	95	28	5.6	2.4	0	2	5.4	136	50	6.0	4.6	100	70	18	16	80
HANFORD							ACALA SJ-2						95 PERCENT								
2 MID	31	35	1.12	46	4.2	99	27	5.7	1.7	1	3	4.5	131	47	5.8	4.4	90	70	30	18	74
HURON							ACALA SJ-3						100 PERCENT								
1 MID	31	36	1.14	45	4.2	92	27	5.8	2.2	0	3	5.5	128	45	6.4	4.8	100	70	21	17	72
LEMOORE							ACALA SJ-4						100 PERCENT								
1 SLM PLUS	40	36	1.12	45	4.0	97	27	5.2	2.8	1	2	5.8	123	47	5.5	4.6	100	80	16	13	70
LOST HILLS							ACALA SJ-3						100 PERCENT								
2 SLM	41	35	1.15	48	3.9	90	27	6.2	2.5	2	3	5.0	136	50	6.4	5.3	100	80	17	15	82

1/ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Carded Yarns								
			Digital Fibrograph			Fiber Strength		Elongat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
WEST AREA--(Continued)																					
CALIFORNIA--(Continued)																					
ORANGE COVE							ACALA SJ-2						100 PERCENT								
1 MID	31	36	1.14	47	3.9	94	27	5.8	1.9	0	3	5.3	136	49	6.5	4.9	90	70	24	17	74
SHAFTER							ACALA SJ-2						100 PERCENT								
3 SLM	41	36	1.15	46	4.1	92	26	5.9	2.3	1	3	5.2	129	47	6.6	4.8	90	70	24	19	75
STRATFORD							ACALA SJ-2						96 PERCENT								
2 SLM	41	35	1.09	47	4.5	93	27	6.0	2.6	1	3	5.3	131	49	6.2	4.8	80	70	29	26	75
STRATHMORE							ACALA SJ-4						85 PERCENT								
2 SLM	41	36	1.11	46	3.7	95	27	6.1	2.5	1	2	5.9	138	50	5.8	4.6	90	70	35	26	74
3 SLM	41	35	1.10	45	3.9	102	28	5.6	2.4	1	2	5.0	132	50	6.1	4.8	90	70	34	23	75
TRANQUILITY							ACALA SJ-2						99 PERCENT								
1 MID	31	36	1.15	46	3.7	96	26	5.9	1.8	0	3	5.3	135	51	6.2	5.1	100	70	22	18	80
VISALIA							ACALA SJ-2						85 PERCENT								
1 MID	31	35	1.13	46	4.2	92	27	5.6	1.8	0	3	5.7	122	45	6.0	4.8	90	70	25	17	68

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns									
			Digital Fibrograph			Fiber Strength		Elongat'n	S.A. Non-	Color Raw Stock		P & C and	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage	1/8"	Lint	Gra	Yel	Comber Waste	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHEAST AREA																					
NORTH CAROLINA SCOTLAND NECK							COKER 310					95 PERCENT									
1	LM LT SP	52	35	1.11	43	4.1	86	22	5.5	4.2	5	3	10.3	89	27	4.6	3.0	100	70	31	25	48
												*	18.4	112	39	5.7	4.4	110	90	14	10	
2	LM	51	35	1.10	43	4.4	86	22	5.5	3.8	4	3	9.9	92	29	4.9	3.6	110	80	24	16	54
												*	18.8	116	40	5.3	4.0	110	100	11	8	
SOUTH CAROLINA HARTSVILLE							COKER 310					100 PERCENT									
3	SLM	41	34	1.11	44	4.4	82	22	5.8	2.5	2	2	8.5	93	28	5.1	3.8	120	80	11	10	54
												*	18.5	112	40	5.5	4.3	120	100	8	6	
SOUTH CENTRAL AREA																					
MISSISSIPPI LAKE CORMORANT							COKER 310					100 PERCENT									
3	LM	51	36	1.12	42	3.7	87	23	5.5	4.7	2	2	8.8	105	36	5.1	4.1	100	70	30	22	63
												*	18.4	130	47	5.9	4.8	100	90	15	11	
WEST AREA																					
NEW MEXICO ARTESIA							ACALA 1517-70					80 PERCENT									
2	MID	31	36	1.17	45	3.5	94	26	5.9	2.6	0	3	7.5	140	51	6.4	4.9	100	70	27	22	86
												*	16.4	159	60	6.7	5.3	100	90	11	10	
PERINO							ACALA 1517-70					85 PERCENT									
1	MID	31	36	1.15	45	3.8	93	27	6.0	1.8	0	2	7.3	140	50	6.5	4.9	100	70	35	28	80
												*	15.3	158	61	7.0	5.6	100	90	17	13	
WEST TEXAS TORNILLO							ACALA 1517-C					99 PERCENT									
1	MID	31	37	1.19	46	3.8	96	25	5.3	1.8	1	3	6.5	147	54	5.8	4.5	100	80	23	17	92
												*	14.1	166	63	6.1	5.0	120	100	9	7	

* Comber Waste and Combed Yarn Data